



CITY OF EAST CHICAGO

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Wastewater Division
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August 15, 2011

Dennis Zawodni
Safety-Kleen Oil Recovery Company
601 Riley Road
East Chicago, IN 46312

RE: Permit Expiration Date Revision Enclosed for Outfall No. 901 2011

Dear Mr. Zawodni:

Enclosed is the permit revision page that has the expiration date. According to IDEM's Pretreatment Coordinator, all of the Industrial permits were written for 5 years and a 1 day and cannot go past 5 years.

Due to an error on the expiration date, this in turn prompted the revision and a submittal of a signed page to all permitted industries.

Should you have any questions, please call me at (219) 391-8466. Thank you.

Sincerely,

A handwritten signature in cursive script, reading "Nickie Geros".

Nickie Geros

Encls.

**EAST CHICAGO SANITARY DISTRICT
EAST CHICAGO, INDIANA
INDUSTRIAL WASTEWATER DISCHARGE PERMIT**

I)a) In compliance with Article 13.13.5.01 (General permits) of the East Chicago Wastewater Discharge Resolution No. S.D. 93-10, (Ordinance No. 0-93-0017) (hereinafter "Ordinance"), the East Chicago Sanitary District (hereinafter "District"), by the issuance of this permit, authorizes

Safety Kleen Systems (hereinafter "permittee")
SIC Code: 2992

to discharge the following, and only the following, specific wastewater streams from its facility located at

601 Riley Road

to the District's publicly owned treatment works (hereinafter "POTW"):

- Note*
- i) Sanitary Wastewater
 - ii) Re-refinery, emulsion breaking and dehydration are the process discharge wastewaters included from industrial fuel oil recovery, lube oil recovery, oily water emulsions and interception water treated through biological/chemical treatment system
 - iii) Non-contact cooling water from process operations
 - iv) Boiler blow down
 - v) Precipitation from process areas and tank farms
 - vi) Process water from polychlorinated biphenyls (PCBs) contaminated waste from the PCB Destruction Facility (only when necessary with proper approval from the District)
 - vii) MPX process in the spent caustic stream for the effluent

This permit sets forth the standards required of the permittee by the District to ensure compliance with the limitations and conditions of the Ordinance and, where applicable, standards established by the State or Federal authorities. Unless otherwise specified, these requirements shall take effect upon issuance of this permit and shall remain in effect until the expiration date of this permit or until the permit is modified in accordance with Article 13.13.5.02.3 (Permit Modifications) of the Ordinance.

b) By the issuance of this permit, the District acknowledges that the permittee has complied with the requirements set forth in Article 13.13.5.02.2 (Permit Application) of the Ordinance.

c) By the issuance of this permit, the District acknowledges that the permittee has paid the assessed permit application fee as provided in Article 13.13.4.03 (Permit Application Fees) of the Ordinance.

d) In compliance with Article 13.13.5.02.4(b) of the Ordinance, the District designates both this permit and the permittee's *discharge and sampling location by the identification number 901*.

e) In accordance with Articles 13.13.5.02.3 (Permit Modifications) and 13.13.5.02.5 (Permits Duration) of the Ordinance, both this permit and the authorization to discharge shall expire five (5) years from the date of issuance.

f) In accordance with Article 13.13.5.02.6 (Limitations on Permit Transfer) of the Ordinance, the District forbids the employment of this permit by any other than the permittee named in Part I) a) of this permit. The District also forbids the employment of this permit for any purpose, or any location, other than those specified in Part I)a) of this permit.

II a) The district requires complete compliance with the Sewer User Ordinance and compliance with all local limitations:

<u>PARAMETER</u>	<u>Limitation</u>	<u>Sample Type</u>	<u>18 ED. STM Number or EPA</u>	<u>Limit Type</u>
Arsenic	0.5 mg/L	composite	200.7	daily max
Cadmium	0.140 mg/L	composite	200.7	daily max
Chromium, Total	0.282 mg/l	composite	200.7	daily max
Copper	0.170 mg/L	composite	200.7	daily max
Cyanide (amenable)	0.003 mg/L	composite	4500-CN-G	daily max
Lead	0.224 mg/L	composite	200.7	daily max
Mercury	0.003 mg/L	composite	1631, Revision E	daily max
Molybdenum	0.2 mg/L	composite	200.7	daily max
	1.0 mg/L & not 0.2			
Nickel	0.390 mg/L	composite	200.7	daily max
Silver	0.05	composite	200.7	daily max
Zinc	5.5 mg/L	composite	200.7	daily max
Ammonia-Nitrogen	77 mg/L	composite	4500NH3 F	daily max
Thallium	4.3 mg/L	composite	200.7	daily max
Total Phosphorus	5.5 mg/L	composite	4500P BE	daily max
Fluoride	2.9 mg/L	composite	4500 F- C	daily max
Oil and Grease	50 mg/L	grab	1664, Revision A	daily max
pH	<5 and >10 S.U.	grab	150	instantaneous
Phenols,4-AAP	0.7 mg/L	composite	420.1	daily max
Residual Chlorine	0.4 mg/L	grab	330	instantaneous
Fluoranthene	0.69 mg/L	composite	625	daily max
Bis(2ethylhexyl)	1.03 mg/L	composite	625	daily max
Phthalate				

b) [RESERVED: amendments(s) pursuant to Article 13.13.5.02.3 of the Ordinance (Permit Modifications)].

c) The permittee shall comply with the discharge prohibitions listed in Articles 3.01 (General Discharge Prohibitions) and 13.13.3.02.5 (Dilution) of the Ordinance.

d) The permittee shall comply with the discharge prohibitions listed in Article 13.13.3.01.2 (Limitations on Trucked or Hauled Waste) of the Ordinance.

III) The permittee shall comply with all the conditions of Article 13.13.5.06 (Pretreatment) of the Ordinance.

IV)a) The permittee shall comply with all the conditions of Article 13.13.5.04 a) (Monitoring Facilities and Calibration Requirements) of the Ordinance, and shall secure the District's approval of

all devices and methods prior to operation. *The monitoring facility is found outside off Riley Road facing north, which is located at the end of the effluent of the pretreatment plant. The monitoring point is identified as No. 901.*

V)a) Pursuant to Article 13.13.5.02.4(f) of the Ordinance, the permittee will be required to perform self-monitoring. *These parameters shall be run 2x/year.*

b) The permittee is required to submit to the District all data obtained through any self-monitoring of a discharge conducted in accordance with Title 40 CFR part 136. This data must be submitted within thirty (30) days of sampling. Analytical data will be reported to the District within thirty (30) days. If the sampling performed by the permittee indicates a violation, the permittee shall notify the District within twenty four (24) hours of becoming aware of the violation, and resample within thirty (30) days

Note Centralized Waste Treatment (CWT) 40 CFR 437 subpart B-Oils Treatment and Recovery part 437.25 Pretreatment standards for existing sources (PSES). Some parameters follow the local limits established in the revised District's Wastewater Discharge Program Regulations Ordinance No. 06-0007 so; those limits shall be followed instead of the pretreatment standards found in subpart B. also, the approved test methods are found in this permit and in 40 CFR Part 136.3:

<u>PARAMETER</u>	<u>Limitation</u>	<u>Sample Type</u>	<u>EPA Test Method</u>		<u>Limit Type</u>
T=Total			<u>Number</u>		
Chromium (T)	0.282 mg/L*	24-hr composite	200.8	2x/yr	daily max
	0.282 mg/L				monthly avg.
Cobalt	56.4 mg/L	24-hr composite	200.8	2x/yr	daily max
	18.8 mg/L				monthly avg
Copper (T)	0.170 mg/L*	24-hr composite	200.8	2x/yr	daily max
	0.170 mg/L				monthly avg.
Lead (T)	0.224 mg/L	24-hr composite	200.8	2x/yr	daily max
	0.43 mg/L				monthly avg.
Tin	0.249 mg/L	24-hr composite	200.7	2x/yr	daily max
	0.146 mg/L				monthly avg.
Zinc (T)	5.5 mg/L*	24-hr composite	200.8	2x/yr	daily max
	4.46 mg/L				monthly avg.
*EC Limit					
Organics					
Bis(2-ethylhexyl)	0.267 mg/L	24-hr composite	625		daily max
Phthalate	0.158 mg/L				monthly avg.
Carbazole	0.392 mg/L	24-hr composite	625		daily max
	0.233 mg/L				monthly avg.
n-Decane	5.79 mg/L	24-hr composite	625		daily max
	3.31 mg/L				monthly avg.
Fluoranthene	0.690 mg/L	24-hr composite	625		daily max
	0.393 mg/L				monthly avg.
n-Octadecane	1.22 mg/L	24-hr composite	625		daily max
	0.925 mg/L				monthly avg.

b) In accordance with Article 13.13.5.03.5 (Spill Control Plans) of the Ordinance, Spill Control Plans will be submitted on a biennial basis to the District.

c) In compliance with Article 13.13.3.03 (Accidental Discharges) of the Ordinance, and in the event of an accidental discharge of either prohibited substances or an excess of regulated substances to the POTW, the permittee shall alert the District immediately upon occurrence. Within five (5) working days of the occurrence, the permittee shall provide written notification of the discharge. The notification shall specify no less than the following:

- i) the location of the discharge;
- ii) the date and time of the discharge;
- iii) the type of waste discharged;
- iv) the concentration and volume of the waste; and
- v) an explanation of corrective actions taken.

d) In compliance with Article 13.13.6.08 (Operating Upsets) of the Ordinance, and in the event of an operating upset, the permittee shall alert the District within 24 hours of recognition of the upset. Within five (5) days of recognition of the upset, the permittee shall submit a written follow-up report. The report shall specify no less than the following:

- i) a description of the upset and its cause;
- ii) the impact of the upset on the permittee's compliance status;
- iii) the duration of non-compliance, including exact dates and times of noncompliance;
- iv) if noncompliance continues, the date by which compliance should be attained; and
- v) an explanation of actions to be taken to prevent recurrence of an upset or other conditions of non-compliance.

e) In the event of a non-accidental discharge of any prohibited substance or an excess of regulated substances to the POTW, the permittee shall alert the District immediately upon occurrence. Within five (5) working days of the occurrence, the permittee shall provide written notification of the Discharge. The notification shall specify no less than the following:

- i) the location of the discharge;
- ii) the date and time of the discharge;
- iii) the type of waste discharged;
- iv) the concentration and volume of the waste; and
- v) an explanation of corrective actions taken.

f) In the event of any slug discharge or any other discharge which could cause problems to the POTW, which shall mean any pollutant, including oxygen demanding pollutants (BOD, COD, etc.), pollutants which create a fire or explosion hazard, pollutants which will cause corrosive structural damage, solid or viscous pollutants in amounts which will cause an obstruction to the flow in the POTW, or any heat in amounts which will inhibit biological activity in the POTW, released in such a single extraordinary discharge episode of such volume or strength as to cause interference to the POTW, the permittee shall alert the District immediately upon occurrence. Within five working days of the occurrence, the permittee shall provide written notification of the discharge. The notification shall specify no less than the following:

- i) the location of the discharge;
- ii) the date and time of the discharge;
- iii) the type of waste discharged;
- iv) the concentration and volume of the waste; and
- v) an explanation of corrective actions taken.

Signs shall be permanently posted in conspicuous places on the Discharger's premises, advising employees whom to call in the event of a slug, accidental, or non-accidental discharge. Employers shall instruct all employees who may cause or discover such a discharge with respect to emergency notification procedures.

g) Pursuant to Article 13.13.5.03.6 (Hazardous Waste Notification) of the Ordinance, the permittee shall submit to the District, on a biennial basis, a list of all substances present in each discharge which, if disposed of by other means would be considered hazardous as defined by 40 CFR, Part 261.

h) Pursuant to Article 13.13.5.03.7 (Notification of Changed Discharge) of the Ordinance, the permittee shall notify the District in advance of any substantial change in the volume and/or character of pollutants in each discharge.

i) The above-mentioned reports, and all other reports, correspondence, and information as the District may require shall be signed and dated by an authorized representative of the permittee.

j) The permittee shall comply with the inspection and sampling requirements listed in Article 13.13.5.05 (Inspection and Sampling) of the Ordinance.

k) The permittee in order to operate a wastewater or water treatment plant, shall have an operator with the qualifications as established in the Indiana Administrative Code, Title 327-IAC-8-12-3, Section 3(a). In accordance with Title 327-IAC-8-12-1(8), "operator" shall mean the person in direct or responsible charge and supervising the operation of a wastewater or water treatment plant and/or a water distribution system. All industrial pretreatment facilities shall be classified per Title 327-IAC-8-12-2(b). These classifications shall be based on the type of treatment afforded, design population equivalent, and the average daily flow.

VIII)a) The permittee shall comply with all requirements of this permit and with all requirements of the Ordinance not specifically referenced by the permit.

b) In any event of non-compliance, the permittee shall be subject to all applicable enforcement actions as set forth in Article Six (Enforcement) of the Ordinance, and all applicable penalties set forth in Article Seven (Penalties) of the Ordinance. Any permittee who is found to have violated an order of the District or who has failed to comply with any provision of the Ordinance, and the regulations, or rules of the District, or orders of any court of competent jurisdiction or permits issued hereunder, shall be liable for a penalty of up to \$2,500.00 per violation, per day. Each day that a violation occurs shall be deemed a separate offense and subject to penalty.

IX) The permittee shall take all reasonable steps to minimize or correct any adverse impact on the environment resulting from non-compliance with the permit, including such accelerated or additional monitoring as the District may require determining the nature and impact of the non-complying discharge.

X) Pursuant to Article Eight (Records Retention) of the Ordinance, the Permittee shall retain and preserve any records relating to monitoring, sampling, and analysis for a period of no less than three (3) years.

XI) To continue discharging to the POTW beyond the expiration date of this permit, the permittee shall apply for and obtain a new permit. The application shall be submitted at least 45 days before the expiration date of this permit.

XII) The conditions of this permit are severable. Should any one condition be held invalid, all remaining conditions shall not be affected and shall continue in full force and effect.

EAST CHICAGO SANITARY DISTRICT
EAST CHICAGO, INDIANA
INDUSTRIAL WASTEWATER DISCHARGE PERMIT NO. 901
ISSUED TO

SAFETY KLEEN OIL RECOVERY COMPANY

ATTACHMENT OF PROVISIONS

- 1) Effective immediately, the inclusion of the new process and the new wastestream shall be used in the destruction of polychlorinated biphenyls(PCB) contaminated waste, which is found in the re-refining process. The sampling point is located at the end of the pretreatment process inside the facility off of Riley Road and is designated as outfall No. 901.
- 2) Comply with all the provisions in the permit and shall pretreat this new wastestream only upon written approval by USEPA Region V and upon the test results of all water samples that indicate the concentration of PCBs to be under the limit of quantification.
- 3) The local pretreatment limit for all Arochlors of PCB is 0.00011 m/L (1.1×10^{-4}) as a daily maximum and 0.000046 mg/L (4.6×10^{-5}) for a 30 day monthly average.
- 4) The pretreatment limits are less than the method detection limit (MDL) and the limit of quantification (LOQ) which is 3.18 times the MDL. The MDL for two PCB Arochlors are:

Arochlor 1016 = $32.0 \text{ (g/L or } 0.000032 \text{ ppm, and}$
Arochlor 1260 = $8.0 \text{ (g/L or } 0.000008 \text{ ppm.}$

Note: The method detection limit is the concentration where the analyst can say the substance is present but cannot statistically assign a specific concentration value. The District will use a multiplier of 3.18 for determining LOQs from MDLs.

- 5) The provisions for determining compliance with the local limit will be as follows:
 - a) If the PCB data are below the MDL, Safety Kleen will be in compliance with the local limit;
 - b) If the PCB data are below the LOQ, but greater than the MDL, Safety Kleen is in compliance, but the stored wastewater shall be redirected to the head work of the PCB Destruction Facility and retreated; and

- c) If the PCB data are greater than the LOQ, the PCB Destruction Facility shall be shut down until such time that the District is satisfied that the facility is operating in an acceptable manner, i.e., stored wastewater PCB data are below the MDL.
- 6) Sampling and self-monitoring requirement, which will include as a minimum:
 - i) Samples at the discharge of the PCB Destruction Facility will be collected every 24 hours while the facility is operating. At the discharge to the District sewers, samples will be taken twice during the period that the PCB Destruction Facility is in operations. The first, shall be collected starting one detention time plus one hour for the pretreatment facility, after initiation of the PCB Destruction Facility discharge; and second, approximately 24 hours later.